

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10596327	
	Filing Date		2004-11-24	
	First Named Inventor	MARSH et al.		
	Art Unit	2828		
	Examiner Name	Not Yet Assigned		
Attorney Docket Number		35832.000127		

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1	PAQUETTE, M. et al., "Blueshifting of InGaAsP/InP laser diodes by low-energy ion implantation", Appl. Phys. Letters 71:3749-51 (1997)	<input type="checkbox"/>
2	TAN, H. et al., "Improved intermixing in GaAs/AlGaAs quantum well structures through repeated implant-anneal sequence", presented at Conference on Optoelectronic and Microelectronic Materials and Devices Proceedings, Perth, Australia (Dec. 14 -16, 1998).	<input type="checkbox"/>
3	PAQUETTE, M. et al., "Blueshifting of InGaAsP-InP Laser Diodes Using a Low-Energy Ion-Implantation Technique: Comparison Between Strained and Lattice-Matched Quantum-Well Structures", IEEE Journal of Selected Topics in Quantum Electronics, Vol. 4, No. 4, (July/August 1998).	<input type="checkbox"/>
4	QIAN, Y., "Three-band-gap QW intermixing in InP/InGaAs/InGaAsP system for monolithically integrated optical switch", Lasers and Electro-Optics Society Annual Meeting, 1998, LEOS '98, IEEE Orlando, FL, USA, 1 - 4 Dec. 1998, Pub by IEEE Piscataway, NJ, XP010317604, pp.194-195 (Dec. 1, 1998)	<input type="checkbox"/>
5	LI, E., "Advances in intermixed quantum well devices", Electronic Devices Meeting, 1998 Proceedings, 1998 IEEE Hong Kong, Aug. 29, 1998; Pub. by IEEE Piscataway, NJ, pp.60 - 65 (1998), XP010318832.	<input type="checkbox"/>
6	UTPAL, Das et al, "Tailoring of Electron and Hole Energies in Strained GaAsP/AlGaAs quantum wells using fluorine-impurity-induced layer disordering", Appl. Phys. Letters, American Institute of Physics, New York, US, Vol. 60, No. 2, (13 Jan. 1992), pp. 210-212, XP000257167.	<input type="checkbox"/>
7	SOREL, M. et al., "Monolithic integration of InGaAs/AlGaInAs mach-zehnder interferometers using quantum well intermixing", LEOS 2003, 16th Annual Meeting of the IEEE Lasers & Electro-optics Society, Tucson, AZ, Oct. 27 - 28, 2003, Pub. by IEEE, New York, NY, Vol 1 of 2, Oct. 26, 2003, pp. 439-440, XP010676256	<input type="checkbox"/>
8	PIVA, P. et al., "Bandgap Tuning of Semiconductor Quantum Well Structures Using Ion Implantation", Superlattices and Microstructures, Academic Press, London, UK, Vol. 15, No. 4 (1994), pp. 385-389, XP000608697	<input type="checkbox"/>
9	MIYAZAWA, T. et al., "Compositional Disordering of In0.53Ga0.47As/In0.52Al0.48As Multiquantum Well Structures by Repetitive Rapid Thermal Annealing", Japanese Journal of Applied Physics 28, (May 1989) No. 5 II, Tokyo, JP	<input type="checkbox"/>
10	International Preliminary Report on Patentability, European Patent Office acting as ISA, for International Application No. PCT/GB2004/004944, dated 12 June 2006.	<input type="checkbox"/>

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☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

- ☐ See attached certification statement.
- ☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- ☒ None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Jefferson Perkins/	Date (YYYY-MM-DD)	2007-04-25
Name/Print	Jefferson Perkins	Registration Number	31407

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